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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	
		Filing Date	
		First Named Inventor	Kia Silverbrook
		Art Unit	
		Examiner Name	
Sheet 1 of 8	Attorney Docket Number	ZE006US	

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
SA		US 6,505,912 B2 *	Jan 2003	Silverbrook et al.	
		US 5,812,159 **	Sep 1998	Anagnostopoulos et al.	
		US 6,247,790 B1 ***	Jun 2001	Silverbrook et al.	
		US 6,007,187 **	Dec 28, 1999	Kashino et al.	
		US 5,896,155 **	Apr 20, 1999	Lebens et al.	
		US 4,855,567 **	Aug 08, 1989	Mueller	
		US 5,719,604	Feb 17, 1998	Inul et al	
		US 5,666,141	Sept 09, 1997	Matoba et al	
		US 4,672,398	June 09, 1987	Kuwabara et al	
		US 4,737,802	Apr 12, 1988	Mielke	
		US 5,029,805	July 9, 1991	Albarda et al	
		US 6,258,774	Nov 2, 1993	Rogers	
		US 4,553,393	Nov 19, 1985	Ruoff	
		US 4,864,824	Sept 12, 1989	Gabriel et al	
		US 4,423,401	Dec 27, 1983	Mueller	

FOREIGN PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
SA		EP 0416540 A2 *	Mar 1991	Usui et al.	
		JP 404001051-A **	Jan 1992	Kornai	
		EP 0,713,774	05.29.1996	Sharp Kabushiki Kaisha	
		DE 195 16 997	11.16.1995	Sharp KK	
		DE 196 23 620	12.19.1996	Sharp KK	
		JP 2-108544 (Abstract)	04.20.1990	Seiko Epson Corp	
		JP 2-92843 (Abstract)	04.03.1990	Seiko Epson Corp	
		JP 4-353458 (Abstract)	12.08.1992	Brother Ind Ltd	
		JP 6-91865 (Abstract)	04.05.1994	Seikosha Co Ltd	
		JP 6-91866 (Abstract)	04.05.1994	Seikosha Co Ltd	
		JP 2-265752 (Abstract)	10.30.1990	Matsushita Electronic Ind Co Ltd	
		EP 0 634 273	01.18.1995	Sharp Kabushiki Kaisha	

Examiner Signature	Shamin Ahmed	Date Considered	9/25/05
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Application Number	
Filing Date	
First Named Inventor	Kia Silverbrook
Art Unit	
Examiner Name	
Attorney Docket Number	ZE006US

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Examiner Initials*	Cite No.¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code³ - Number⁴ - Kind Code⁵ (if known)				
SA		DE 195 32 913	03.28.1996	Sharp K.K		
		JP 58 112747 (Abstract)	07.05.1983	Fujitsu KK		
		DE 43 28 433	03.02.1995	Heidleberger Druckmaschinen AG		
		JP 61 025849 (Abstract)	02.04.1986	Canon Inc		
		JP 01 128839 (Abstract)	05.22.1989	Ricoh Co Ltd		
		JP 04 126255 (Abstract)	04.27.1992	Seiko Epson Corp		
		GB 2 262 152	06.09.1993	Willet Int Ltd		
		DE 195.16.997	11.16.1995	Sharp K.K		
SA		JP 05.318724 (Abstract)	12.03.1993	Selkosh Co.Ltd		

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet 3 of 8

**Complete if Known**

<b>Application Number</b>	
<b>Filing Date</b>	
<b>First Named Inventor</b>	Kia Silverbrook
<b>Art Unit</b>	
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	ZE006US

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Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
SA ↓ SA		JP 02 162049 (Abstract)	06.21.1990	Seiko Epson Corp		
		DE 32 45 283	06.07.1984	Siemens AG		
		JP 04 368851 (Abstract)	12.21.1992	Seiko Epson Corp		
		JP 02 158348 (Abstract)	06.18.1990	Minolta Camera Co. Ltd		
		JP 03.112662 (Abstract)	05.14.1991	Seiko Epson Corp		
		JP 03.653348 (Abstract)	03.20.1991	Matsushita Electric Ind. Co.		
		EP 0 431 338	06.12.1991	Matsushita Electric Ind. Co.		
		JP 01.257058	10.13.1989	Seiko Epson Corp		
	DE 195-17-969	11.30.1995	Sharp K.K.			

**Examiner  
Signature**

Shamim Ahmed

Date Considered

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				Art Unit	
				Examiner Name	
				Attorney Docket Number	ZE006US
Sheet	4	of	8		

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>6</sup> (if known)				
SA		DE 196 39 717	04.17.1997	Sharp K.K.		
		EP 0 737 580	10.16.1996	Canon K.K.		
		EP 0 882 590	12.09.1998	Canon K.K.		
		EP 0 478 956	04.08.1992	Kernforschungs- u. Karlsruher GMBH		
		DE 1 648 322	03.24.1971	VDO Tachometerwerke GMBH		
		GB 1 428 239	03.17.1976	Cibie Projecteurs		
		DE 39 34 280	04.26.1990	CAE di Cipelletti Alberto		
		DE 29 05 063	08.14.1980	Olympia Werke AG		
SA		WO 94 18010	08.18.1994	Domino Printing Sciences PLC		

Examiner Signature	Shamim Ahmed	Date Considered	9/25/05
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SA ↓ SA		EP 0 398 031	11.22.1990	Seiko Epson Corp		
		EP 0 427 291	05.15.1991	Seiko Epson Corp		
		JP 01 115639 (Abstract)	05.08.1989	Ricoh Co Ltd		
		JP 58 116165 (Abstract)	07.11.1983	Canon K.K		
		EP 0 627 314	12.07.1994	Olivetti Canon Ind SPA		
		JP 61 268453 (Abstract)	11.27.1986	Olympus Optical Co Ltd		
		JP 04 118241 (Abstract)	04.20.1992	Seiko Epson Corp		
		EP 0 506 232	09.30.1992	Videojet Systems Int, Inc		
		JP 07 314665 (Abstract)	12.05.1995	Canon Inc		
		JP 03 180350	08.06.1991	Seiko Epson Corp		

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Application Number</b>	
				<b>Filing Date</b>	
				<b>First Named Inventor</b>	Kia Silverbrook
				<b>Art Unit</b>	
				<b>Examiner Name</b>	
<b>Sheet</b>	6	<b>of</b>	8	<b>Attorney Docket Number</b>	ZE006US

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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SA ↓ SA		WO 97 12689	04.10.1997	The Board of Trustees of the Leland Stanford University	
		JP 02 050841 (Abstract)	02.20.1990	Seiko Epson Corp.	
		EP 0 510 648	10.28.1992	Ivri Yehuda	
		JP 05 28765 (Abstract)	10.29.1993	Canon Inc.	
		JP 04 141429 (Abstract)	05.14.1992	Seiko Epson Corp.	
		JP 01 105746 (Abstract)	04.24.1989	Ricoh Co., Ltd.	
		GB 792 145	03.19.1958	Technograph Printed Circuits Ltd.	
		EP 0 750 993	01.02.1997	Canon K.K.	

Examiner Signature	Shamim Ahmed	Date Considered	9/25/05
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## Application Number

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**Filing Date****Filing Date****First Named Inventor**

## Kia Silverbrook

## Art Unit

**Examiner Name**

Sheet

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of

8

Attorney Docket Number

ZE006US

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Signature**

Shamim Ahmed

Date Considered

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		First Named Inventor	Kia Silverbrook
		Group Art Unit	
		Examiner Name	
Sheet 8	of 8	Attorney Docket Number	ZE006US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
SA		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequoia S.A., Lausanne, Vol. 55, no. 1, 15-July-1996, pp 65-69, XP004077979 ISSN: 0924-4247.	
SA		ATAKA, MANABU et al, "Fabrication and Operation of Polymide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
SA		YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp 142-147, XP000528408, ISBN: 0-7803-1834-X.	

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